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TITLE: DEVICE FOR MEASURING AND/OR TESTING OF  
COMPONENTS OF OPTICAL AND/OR ELECTRICAL  
NETWORKS AND A LIFT DEVICE USED FOR THIS PURPOSE

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Allison Berkman  
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Signature

**PRELIMINARY AMENDMENT**

Dear Sir:

Please amend the application as follows:

In The Abstract

Please amend the abstract as follows:

Abstract of the Disclosure

A device for measuring and/or testing of components of optical and/or electrical networks includes a casing and an optical and/or electrical connection jack attached to the casing, to which an optical and/or electrical lead can be connected directly or indirectly via an adapter, wherein a lift device is provided, with which the connection jack can be moved relative to the casing between a

lifted position and a lowered position.

In The Claims

Please amend the claims as follows:

1. (Amended) A device for measuring and/or verifying components of optical and/or electrical networks with a case and an optical and/or electrical connection jack located on the case to which an optical guide and/or electrical lead can be connected directly or indirectly via an adapter, wherein a lift device is provided with which the connection jack can be adjusted relative to the case between a lifted position and a lowered position,

wherein the lift device is equipped with a spring mechanism that pre-tensions the connection jack in the lifted position and with an engaging mechanism that that can be operated by a pressure force in lowering direction and locks into the connection jack in its lowered position, wherein in a first pressure operation the connection jack is moved from its lifted position to its lowered position where the engaging mechanism is engaged, and a subsequent second pressure operation releases the locking of the engaging mechanism so that the spring mechanism moves the connection jack to its lifted position.

2. (Amended) A device according to claim 1, wherein:

the engaging mechanism is equipped with a guiding link and an adjustable gliding pin therein,

at least one of the gliding pin is stationary with respect to the connection jack, while the guiding link is stationary with respect to the case, or the guiding link is stationary with respect to the connection jack, while the gliding pin is stationary with respect to the case,

the guiding link is equipped with a guiding groove in which the gliding pin locks in and in which the gliding pin moves in an adjustment direction when the

connection jack is lifted or lowered,

the guiding groove is designed such that the gliding pin

comes into contact with a first stop in a first lower reversing position, which is lower than the lowered position, when the connection jack is lowered from its lifted position,

comes into contact with a lock in its lowered position, located after the first stop with respect to the adjustment direction of the gliding pin, when the connection jack is subsequently lifted from this first lower reversing position,

comes in contact with a second stop in a second lower reversing position, located after the lock with respect to the adjustment direction of the gliding pin, when the connection jack is subsequently lowered from its lowered position,

passes by the lock and reaches the lifted position when the connection jack is subsequently lifted from this second lower reversing position, wherein redirection mechanisms are provided that ensure that the gliding pin in the guiding groove is moved to the first stop rather than to the second stop when the connection jack is lowered from its lifted position.

3. (Amended) A device according to claim 2 wherein the redirection mechanisms are created by suspending the guiding link swingable and shaping the guiding groove so that the gliding pin forces a swivel movement of the guiding link when it is lifted from the second lower reversing position to the lifted position, such that the guiding pin in the guiding groove is directed towards the first stop.

4. (Amended) A device according to claim 3, wherein the guiding link is suspended swingable but with relatively high friction.

5. (Amended) A device according to claim 1, wherein the lift device includes spring mechanisms, which pre-tension the connection jack to the lifted

position, and the lift device is equipped with damping mechanisms that dampen the shifting motion of the connection jack created by the spring mechanisms.

6. (Amended) A device according to claim 5, wherein the damping mechanisms are equipped with a gear wheel that is connected to a gear bar and rolls along this gear bar when the connection jack is lifted or lowered, wherein the gear wheel has relatively high friction.

7. (Amended) A device according to claim 1, wherein the lift device is equipped with a safety mechanism creating a first locking when the lifted position of the connection jack is reached and hinders the lowering of the connection jack, wherein a release mechanism is provided, which releases the first locking when triggered, thus allowing the connection jack to be lowered.

8. (Amended) A device according to claim 7, wherein the safety mechanism has an overload protection that releases the first locking if a force is exerted in lowering direction on the connection jack or on a construction part of the lift device connected to it and this force is larger than the permissible force.

9. (Amended) A device according to claim 1, wherein the lift device is equipped with a safety mechanism creating a second locking when the lowered position of the connection jack is reached and hinders the further lowering of the connection jack, wherein a release mechanism is provided, which releases the second locking when triggered, thus allowing the connection jack to be lowered.

10. (Amended) A device according to claim 7, wherein the safety mechanism includes a swingable lever, which is stationary with respect to the connection jack and wherein the lever may be driven by the release mechanism on one side of its suspension and is equipped with at least one locking nipple on the other side of its suspension, wherein in the lifted position of the connection jack, the locking nipple locks into the first locking ledge, which is stationary with respect to the case, creating the first locking, and/or locks into a second locking ledge, which is stationary with respect to the case, creating the

second locking, when the connection jack is in its lowered position.

11. (Amended) A device according to claim 1, wherein the electrical and/or optical connection between the connection jack and the connected lead, or between the connection jack and the adapter connected to it works in any position of the connection jack.

12. (Amended) A device according to claim 1, wherein a cover cap is suspended from the case that can cover a lifting space in which the connection jack can be adjusted.

13. (Amended) A device according to claim 12, wherein the lifting space of the connection jack is chosen such that an adapter connected to the connection jack is inside the lifting space in the lowered position.

14. (Amended) A device according to claim 1, wherein the device includes a TDR or is designed as a TDR.

15. (Amended) A device according to claim 1, wherein the device includes an OTDR or is designed as an OTDR.

16. (Amended) A device according to claim 1, wherein the device includes a WDM or is designed as a WDM.

17. (Amended) A lift device for lifting and lowering an electrical or optical connection jack of a device, in particular a device for measuring and or verifying components of optical and/or electrical networks, containing spring mechanisms that pre-tension the connection jack in its lifted position and an engaging mechanism, operated by a pressure force in lowering direction, wherein the engaging mechanism locks in the lowered position of the connection jack, and with the first pressure triggering, the connection jack is moved from its lifted position to its lowered position, in which the engaging mechanism locks, and a second pressure triggering releases the locking of the engaging mechanism so that the spring mechanisms move the connection jack to its lifted position.

**Remarks**

Claims 1-17 remain in the application.

The Abstract of the Disclosure has been amended to eliminate reference numbers and to comply with MPEP 608.01(b).

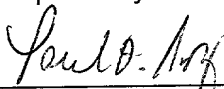
Claims 1-17 have been amended to eliminate reference numbers and the word "contains." As such, claims 1-17 have been clarified by amendment for purposes of form. It is respectfully submitted that the amendments to claims 1-17 are neither narrowing nor made for substantial reasons related to patentability as defined by the Court of Appeals for the Federal Circuit (CAFC) in Festo Corporation v. Shoketsu Kinzoku Kogyo Kabushiki Co., Ltd., 95-1066 (Fed. Cir. 2000). Therefore, the amendments to claims 1-17 do not create prosecution history estoppel and, as such, the doctrine of equivalents is available for all of the elements of claims 1-17. Accordingly, it is respectfully submitted that claims 1-17, as amended, are allowable.

Consideration and allowance of application is respectfully requested.

Attached hereto is a marked up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version With Markings to Show Changes Made."

Respectfully submitted,

2-6-02  
Date

  
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In The Abstract

Please amend the abstract as follows:

[Summary] Abstract of the Disclosure

[The invention concerns a] A device [(1)] for measuring and/or testing of components of optical and/or electrical networks[, with] includes a casing [(2)] and an optical and/or electrical connection jack [(5)] attached to the casing [(2)], to which an optical and/or electrical lead [(8)] can be connected directly or indirectly via an adapter [(9)], wherein a lift device [(11)] is provided, with which the connection jack [(5)] can be moved relative to the casing [(2)] between a lifted position and a lowered position.

[(Fig. 2)]

In The Claims

Please amend the claims as follows:

1. (Amended) A device for measuring and/or verifying components of optical and/or electrical networks with a case [(2)] and an optical and/or electrical connection jack [(5)] located on the case [(2)] to which an optical guide and/or electrical lead [(8)] can be connected directly or indirectly via an adapter [(9)], wherein a lift device [(11)] is provided with which the connection jack [(5)] can be adjusted relative to the case [(2)] between a lifted position and a lowered position,

wherein the lift device [(11)] is equipped with a spring mechanism [(26)] that pre-tensions the connection jack [(5)] in the lifted position and with an engaging mechanism [(12)] that that can be operated by a pressure force in lowering direction and locks into the connection jack [(5)] in its lowered position, wherein in a first pressure operation the connection jack [(5)] is moved from its lifted position to its lowered position where the engaging mechanism [(12)] is

engaged, and a subsequent second pressure operation releases the locking [(18)] of the engaging mechanism [(12)] so that the spring mechanism [(26)] moves the connection jack [(5)] to its lifted position.

2. (Amended) A device according to claim 1, wherein:

[•] the engaging mechanism [(12)] is equipped with a guiding link [(13)] and an adjustable gliding pin [(14)] therein,

[•] at least one of the gliding pin [(14)] (or the guiding link (13)) is stationary with respect to the connection jack [(5)], while the guiding link [(23)] (or the gliding pin 14)) is stationary with respect to the case [(2)], or the guiding link is stationary with respect to the connection jack, while the gliding pin is stationary with respect to the case.

[•] the guiding link [(13)] is equipped with a guiding groove [(15)] in which the gliding pin [(14)] locks in and in which the gliding pin [(14)] moves in an adjustment direction when the connection jack [(5)] is lifted or lowered,

[•] the guiding groove [(15)] is designed such that the gliding pin [(14)]

[-] comes into contact with a first stop [(16)] in a first lower reversing position, which is lower than the lowered position, when the connection jack [(5)] is lowered from its lifted position,

[-] comes into contact with a lock [(18)] in its lowered position, located after the first stop [(16)] with respect to the adjustment direction of the gliding pin [(14)], when the connection jack [(5)] is subsequently lifted from this first lower reversing position,

[-] comes in contact with a second stop [(17)] in a second lower reversing position, located after the lock [(18)] with respect to the adjustment direction of the gliding pin [(14)], when the connection jack [(5)] is subsequently lowered from its lowered position,

[-] passes by the lock [(18)] and reaches the lifted position when the



connection jack [(5)] is subsequently lifted from this second lower reversing position, wherein redirection mechanisms are provided that ensure that the gliding pin [(14)] in the guiding groove [(15)] is moved to the first stop [(16)] rather than to the second stop [(17)] when the connection jack [(5)] is lowered from its lifted position.

3. (Amended) A device according to claim 2 wherein the redirection mechanisms are created by suspending the guiding link [(13)] swingable and shaping the guiding groove so that the gliding pin [(14)] forces a swivel movement of the guiding link [(13)] when it is lifted from the second lower reversing position to the lifted position, such that the guiding pin [(14)] in the guiding groove [(15)] is directed towards the first stop [(16)].

4. (Amended) A device according to claim 3, wherein the guiding link [(13)] is suspended swingable but with relatively high friction.

5. (Amended) A device according to claim 1, wherein the lift device [(11) contains] ~~includes~~ spring mechanisms [(26)], which pre-tension the connection jack [(5)] to the lifted position, and the lift device [(11)] is equipped with damping mechanisms [(44, 45, 46)] that dampen the shifting motion of the connection jack [(5)] created by the spring mechanisms [(26)].

6. (Amended) A device according to claim 5, wherein the damping mechanisms are equipped with a gear wheel [(45)] that is connected to a gear bar [(46)] and rolls along this gear bar [(46)] when the connection jack [(5)] is lifted or lowered, wherein the gear wheel has relatively high friction.

7. (Amended) A device according to claim 1, wherein the lift device [(11)] is equipped with a safety mechanism [(34, 40, 41)] creating a first locking [(47)] when the lifted position of the connection jack [(5)] is reached and hinders the lowering of the connection jack [(5)], wherein a release mechanism [(37)] is provided, which releases the first locking [(47)] when triggered, thus allowing the connection jack [(5)] to be lowered.

8. (Amended) A device according to claim 7, wherein the safety

mechanism [(34, 40, 41)] has an overload protection that releases the first locking [(47)] if a force is exerted in lowering direction on the connection jack [(5)] or on a construction part [(29)] of the lift device [(11)] connected to it and this force is larger than the permissible force.

9. (Amended) A device according to claim 1, wherein the lift device [(11)] is equipped with a safety mechanism [(34, 40, 42)] creating a second locking [(48)] when the lowered position of the connection jack [(5)] is reached and hinders the further lowering of the connection jack [(5)], wherein a release mechanism [(37)] is provided, which releases the second locking [(48)] when triggered, thus allowing the connection jack [(5)] to be lowered.

10. (Amended) A device according to claim 7, wherein the safety mechanism [contains] includes a swingable lever [(34)], which is stationary with respect to the connection jack [(5)] and wherein the lever may be driven by the release mechanism [(37)] on one side of its suspension [(35)] and is equipped with at least one locking nipple [(4)] on the other side of its suspension [(35)], wherein in the lifted position of the connection jack [(5)], the locking nipple locks into the first locking ledge [(41)], which is stationary with respect to the case [(2)], creating the first locking [(47)], and/or locks into a second locking ledge [(42)], which is stationary with respect to the case [(2)], creating the second locking [(48)], when the connection jack [(5)] is in its lowered position.

11. (Amended) A device according to claim 1, wherein the electrical and/or optical connection between the connection jack [(5)] and the connected lead [(8)], or between the connection jack [(5)] and the adapter [(9)] connected to it works in any position of the connection jack [(5)].

12. (Amended) A device according to claim 1, wherein a cover cap [(7)] is suspended from the case [(2)] that can cover a lifting space in which the connection jack [(5)] can be adjusted.

13. (Amended) A device according to claim 12, wherein the lifting space of the connection jack [(5)] is chosen such that an adapter [(9)] connected to the

connection jack [(5)] is inside the lifting space in the lowered position.

14. (Amended) A device according to claim 1, wherein the device [(1) contains] includes a TDR or is designed as a TDR.

15. (Amended) A device according to claim 1, wherein the device [(1) contains] includes an OTDR or is designed as an OTDR.

16. (Amended) A device according to claim 1, wherein the device [(1) contains] includes a WDM or is designed as a WDM.

17. (Amended) A lift device for lifting and lowering an electrical or optical connection jack [(5)] of a device [(1)], in particular a device [(1)] for measuring and or verifying components of optical and/or electrical networks, containing spring mechanisms [(26)] that pre-tension the connection jack [(5)] in its lifted position and an engaging mechanism [(12)], operated by a pressure force in lowering direction, wherein the engaging mechanism locks in the lowered position of the connection jack [(5)], and with the first pressure triggering, the connection jack [(5)] is moved from its lifted position to its lowered position, in which the engaging mechanism [(12)] locks, and a second pressure triggering releases the locking [(18)] of the engaging mechanism [(12)] so that the spring mechanisms [(26)] move the connection jack [(5)] to its lifted position.